

Express Mail" No.: EL 928739048 US Date: November 30, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

Amy L. Hamm  
(Typed or printed name of  
person mailing paper or fee)

*Amy L. Hamm*  
(Signature of person mailing paper or fee)

1998/G 018 (5587\*279)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

KARL-FRIEDRICH MUCK ET AL : PATENT NO. 5,994,455  
SERIAL NO. 09/149,795 : ISSUED: NOVEMBER 30, 1999  
FILED: SEPTEMBER 8, 1998 :  
FOR: PROCESS FOR THE PREPARATION :  
OF THERMALLY STABLE :  
POLYOXYMETHYLENE :  
COPOLYMERS

Assistant Commissioner of Patents  
Box Reissue  
Washington, D.C. 20231

PRELIMINARY SUBMISSION

Sir:

The present reissue application contains a single amendment to claim 1 which is shown in the marked-up reissue application. Claim 1 is amended as follows:

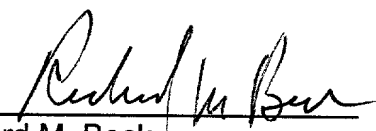
1. (Amended) A process for the preparation of polyoxymethylene copolymers exhibiting a reduced amount of unstable terminal end groups comprising, polymerizing 1,3,5-trioxane with at least one cyclic ether [and] or acetal comonomer with the aid of a strong protonic acid or Lewis acid initiator and in the presence of a formaldehyde dialkyl acetal, the improvement comprising dissolving the initiator in the formaldehyde dialkyl acetal before introducing the same to the trioxane and the comonomers.

Amended claim 1 defines patentable subject matter disclosed but not clearly claimed in the original Patent. The subject matter of the amendment to claim 1 is described in the original Patent at column 1, lines 21-23, where the known step of "copolymerizing trioxane with cyclic ethers or cyclic acetals" is explained. Claim 1 is in Jepson format where the background is initially set forth followed by the improvement of the present invention. Such background now recites polymerizing 1,3,5-trioxane with at least one cyclic ether or acetal comonomer. As amended, claim 1 does not require at least one cyclic ether and acetal comonomer. One or the other is sufficient as supported by the specification at column 1, lines 21-23 and the Examples at column 3, line 55 through column 4, line 52.

No additional fee is due. If there are any additional fees due in connection with the filing of this response, including any fees required for an additional extension of time under 37 CFR 1.136, such an extension is requested and the Commissioner is authorized to charge any debit or credit any overpayment to Deposit Account No. 03-2775.

A prompt and favorable action is earnestly solicited.

Respectfully Submitted,

BY:   
Richard M. Beck  
Registration No. 22,580  
Connolly Bove Lodge & Hutz LLP  
1220 Market Street  
P. O. Box 2207  
Wilmington, DE 19899  
Tel: (302) 658-9141  
Fax: (302) 658-5614

DATE: November 30, 2001  
::ODMA\HODMA\CB;168768;1

3. An Order for a Title Report under 37 CFR § 1.171 for the above-identified U.S. Patent (in duplicate), and including a check in the amount of \$25.00 in payment of the fee set forth in 37 CFR § 1.19(b)(4);

4. Written Consent of the Assignee Pursuant to 37 CFR § 1.173(a), executed by an authorized representative of the assignee, the owner of the entire right, title and interest in and to the above cited patent;

5. An Offer to Surrender Original Patent pursuant to 37 CFR § 1.178;

6. Preliminary Submission;

7. Disclosure Statement, Form 1449 and references;

8. Also enclosed is our check to cover the fees of this filing in the amount of \$740.00. The filing fee for this reissue application has been calculated as follows:

Claims as Filed					
Claims in Patent	For	Number Filed in Reissue Application	(3) Number Extra	Other than a Small Entity	
				Rate	Fee
(A)	Total Claims (37 CFR 1.16(j))	(B)		x \$18=	\$0
(B)	Independent Claims (37 CFR 1.16(i))	(D)		x \$84=	\$0
Basic Fee (37 CFR 1.16(h))					\$740.00
Total Filing Fee					\$740.00

The Commissioner is hereby authorized to charge any additional fees under 37 CFR §§ 1.16 or 1.17 which may be required, or credit any overpayment, to Deposit Account No. 03-2775. This is a "general authorization" under 37 CFR 1.25(b), except that no automatic

debit of the issue fee is authorized upon allowance of this application. This letter is submitted in triplicate.

It is respectfully requested that the above-identified patent be reissued to the assignee.

Respectfully Submitted,

BY: Richard M. Beck  
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Registration No. 22,580  
Connolly Bove Lodge & Hutz LLP  
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Amy L. Hamm  
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person mailing paper or fee)

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1998/G 018 (5587\*279)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

KARL-FRIEDRICH MUCK ET AL : PATENT NO. 5,994,455  
SERIAL NO. 09/149,795 : ISSUED: NOVEMBER 30, 1999  
FILED: SEPTEMBER 8, 1998 :  
FOR: PROCESS FOR THE PREPARATION :  
OF THERMALLY STABLE :  
POLYOXYMETHYLENE :  
COPOLYMERS :

Assistant Commissioner of Patents  
Box Reissue  
Washington, D.C. 20231



ORDER FOR A TITLE REPORT UNDER 37 CFR § 1.171

Sir:

In accordance with 37 CFR 1.171, please prepare a certified Abstract of Title report for the above-identified original patent for placing in the official file of the Reissue Application which is filed herewith.

Title is in the name of Ticona GmbH. Apparently the original Assignment submitted for recordation has been lost by the Patent and Trademark Office. As noted in the attached filings, a search for the originally submitted Assignment has been requested. If the original Assignment is not found, recordation of the copy of the Assignment has been requested.

The Fee of \$25.00 required under 37 CFR 1.19(b)(4) is submitted herewith.

Respectfully Submitted,

BY: Richard M. Beck  
Richard M. Beck  
Registration No. 22,580  
Connolly Bove Lodge & Hutz LLP  
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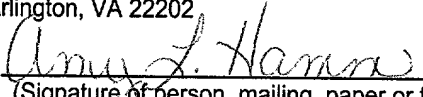
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Amy L. Hamm  
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person mailing paper or fee)

  
(Signature of person mailing paper or fee)

1998/G 018 (5587\*279)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**KARL-FRIEDRICH MUCK ET AL** : **PATENT NO. 5,994,455**  
  
**SERIAL NO. 09/149,795** : **ISSUED: NOVEMBER 30, 1999**  
  
**FILED: SEPTEMBER 8, 1998** :  
  
**FOR: PROCESS FOR THE PREPARATION** :  
**OF THERMALLY STABLE**  
**POLYOXYMETHYLENE** :  
**COPOLYMERS**  
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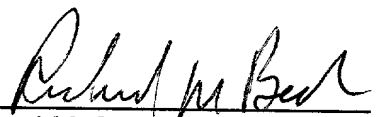
**Assistant Commissioner of Patents**  
**Box Reissue**  
**Washington, D.C. 20231**

**OFFER TO SURRENDER ORIGINAL PATENT PURSUANT TO 37 CFR § 1.178**

Sir:

Pursuant to 37 CFR § 1.178, the applicants hereby offer to surrender the above-identified original Patent. The original Letters Patent will be submitted to the Patent and Trademark Office in due course and before the case is allowed, or a declaration will be made that the original Letters Patent are lost or inaccessible.

Respectfully Submitted,

BY:   
Richard M. Beck  
Registration No. 22,580  
Connolly Bove Lodge & Hutz LLP  
1220 Market Street  
P. O. Box 2207  
Wilmington, DE 19899  
Tel: (302) 658-9141  
Fax: (302) 658-5614

DATE November 30, 2001  
::ODMA\MHODMA\CB;168768;1

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS  
FIRST-CLASS MAIL IN AN ENVELOPE ADDRESSED TO:  
U.S. Patent and Trademark Office; Attn: Customer Service  
Counter/Regina White; Crystal Gateway 4; Third Floor;  
1213 Jefferson Davis Highway; Arlington, VA 22202  
ON THIS 13 DAY OF NOVEMBER, 2001.

BY Richard M. Beck

1998/G 018 (5587\*279)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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KARL-FRIEDRICH MUCK ET AL : PATENT NO. 5,994,455  
  
SERIAL NO. 09/149,795 : ISSUED: NOVEMBER 30, 1999  
  
FILED: SEPTEMBER 8, 1998 :  
  
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POLYOXYMETHYLENE :  
COPOLYMERS :  
.....

Assistant Commissioner of Patents  
Washington, D.C. 20231

**ASSIGNMENT STATUS REQUEST**

The undersigned counsel has been advised by the Assignment Division that no record exists with respect to an Assignment by the applicants to Ticona GmbH in the subject application. Since an Assignment document was submitted for recordation, a search for the originally submitted Assignment is requested, or in the alternative , it is requested that the enclosed copy of the Assignment be submitted for recordation and recorded.

On December 2, 1998, applicants filed the following papers by first class mail addressed to the Assistant Commissioner for Patents, copies of which are enclosed.



I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS  
FIRST-CLASS MAIL IN AN ENVELOPE ADDRESSED TO:  
ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C.  
ON THIS 2 DAY OF DECEMBER 1998.  
BY Richard M. Beck

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

KARL-FRIEDRICH MUCK ET AL :

SERIAL NO. 09/149,795 : Art Unit: 1713

FILED: SEPTEMBER 8, 1998 :

FOR: PROCESS FOR THE PREPARATION OF THERMALLY :  
STABLE POLYOXYMETHYLENE COPOLYMERS

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to the Notice dated September 23, 1998, a copy of which is attached,  
enclosed herewith is an executed declaration identifying the above-identified application  
by serial number and filing date.

Also included is the required surcharge of \$130.00.

A copy of the priority document is also enclosed.

These filings should complete the application filing process.

Respectfully submitted,

CONNOLLY AND HUTZ

BY Richard M. Beck

Richard M. Beck

Registration No. 22,580

Telephone: 302/658-9141

RMB:kpr  
pats/55691

1. A response to the Notice of Missing Parts dated September 23, 1998 comprising an executed Declaration and the surcharge of \$130.00;
2. A Recordation Form Cover Sheet with a recording fee of \$40.00;
3. An Assignment; and
4. A petition for an extension of time with the required fee of \$110.00.

All of these papers were received at the Patent and Trademark Office on December 7, 1998, as evidenced by the return receipt postcard, a copy of which is enclosed.

One possibility may be that the original Assignment document remains in the file along with the other papers submitted on the same date.

In summary, if the original Assignment cannot be located, it is requested that the enclosed copy of the Assignment be recorded.

Respectfully Submitted,

BY: Richard M. Beck  
Richard M. Beck  
Registration No. 22,580  
Connolly Bove Lodge & Hutz LLP  
1220 Market Street  
P. O. Box 2207  
Wilmington, DE 19899  
Tel: (302) 658-9141  
Fax: (302) 658-5614

Date: November 13, 2001

Enclosures

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